

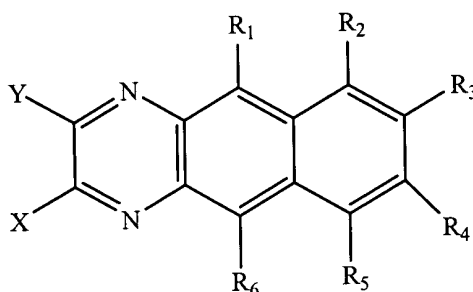
Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Original) A quinoxaline derivative represented by general [formula 1]:

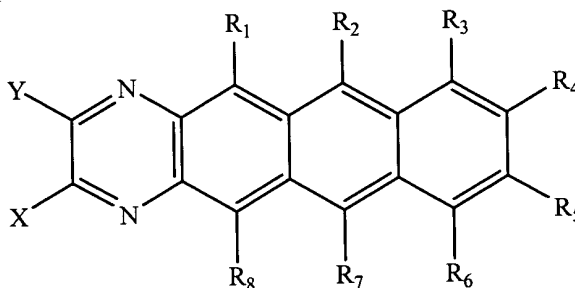
[formula 1]



(wherein X and Y represent alkyl group, a substituted or unsubstituted aryl group, or a substituted or unsubstituted heterocyclic group, and R1 to R6 represent individually hydrogen, an alkyl group, an alkoxyl group, a substituted or unsubstituted aryl group, and a substituted or unsubstituted heterocyclic group.)

2. (Original) A quinoxaline derivative represented by general [formula 2]:

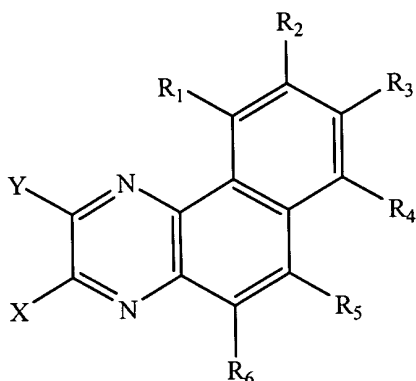
[formula 2]



(wherein X and Y represent alkyl group, a substituted or unsubstituted aryl group, or a substituted or unsubstituted heterocyclic group, and R1 to R8 represent individually hydrogen, an alkyl group, an alkoxyl group, a substituted or unsubstituted aryl group, and a substituted or unsubstituted heterocyclic group.)

3. (Original) A quinoxaline derivative represented by general [formula 3]:

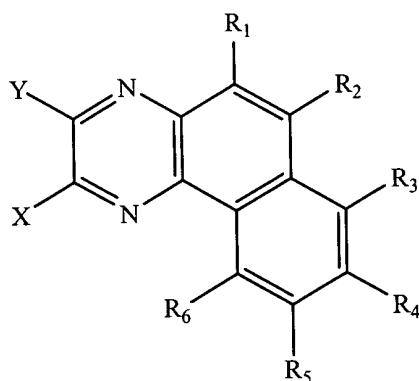
[formula 3]



(wherein X and Y represent alkyl group, a substituted or unsubstituted aryl group, or a substituted or unsubstituted heterocyclic group, and R1 to R6 represent individually hydrogen, an alkyl group, an alkoxyl group, a substituted or unsubstituted aryl group, and a substituted or unsubstituted heterocyclic group.)

4. (Original) A quinoxaline derivative represented by general [formula 4]:

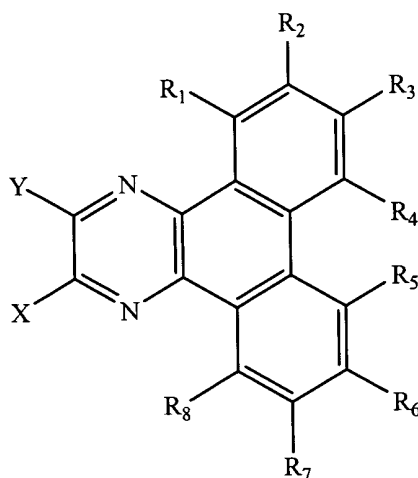
[formula 4]



(wherein X and Y represent alkyl group, a substituted or unsubstituted aryl group, or a substituted or unsubstituted heterocyclic group, and R1 to R6 represent individually hydrogen, an alkyl group, an alkoxyl group, a substituted or unsubstituted aryl group, and a substituted or unsubstituted heterocyclic group.)

5. (Original) A quinoxaline derivative represented by general [formula 5]:

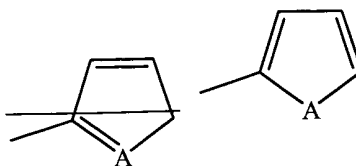
[formula 5]



(wherein X and Y represent alkyl group, a substituted or unsubstituted aryl group, or a substituted or unsubstituted heterocyclic group, and R1 to R8 represent individually hydrogen, an alkyl group, an alkoxyl group, a substituted or unsubstituted aryl group, and a substituted or unsubstituted heterocyclic group.)

6. (Currently Amended) The quinoxaline derivative according to any one of Claims 1 to 5, wherein the quinoxaline derivatives comprising the heterocyclic group represented by general [formula 6]:

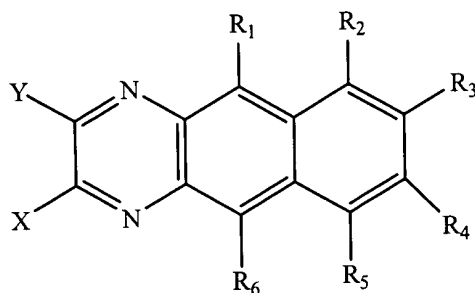
[formula 6]



(wherein A represents S or O.)

7. (Original) An organic semiconductor device comprising a quinoxaline derivative represented by general [formula 1]:

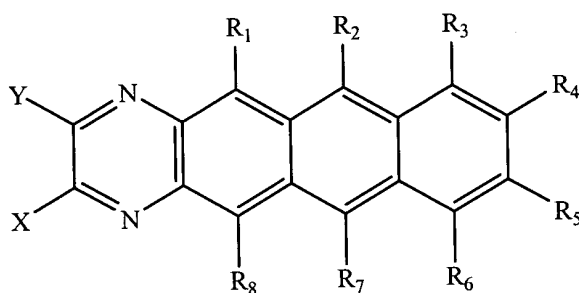
[formula 1]



(wherein X and Y represent alkyl group, a substituted or unsubstituted aryl group, or a substituted or unsubstituted heterocyclic group, and R1 to R6 represent individually hydrogen, an alkyl group, an alkoxyl group, a substituted or unsubstituted aryl group, and a substituted or unsubstituted heterocyclic group.)

8. (Original) An organic semiconductor device comprising a quinoxaline derivative represented by general [formula 2]:

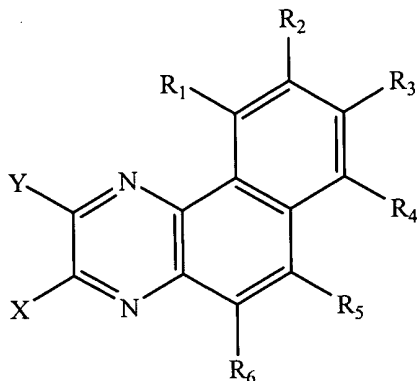
[formula 2]



(wherein X and Y represent alkyl group, a substituted or unsubstituted aryl group, or a substituted or unsubstituted heterocyclic group, and R1 to R8 represent individually hydrogen, an alkyl group, an alkoxyl group, a substituted or unsubstituted aryl group, and a substituted or unsubstituted heterocyclic group.)

9. (Original) An organic semiconductor device comprising a quinoxaline derivative represented by general [formula 3]:

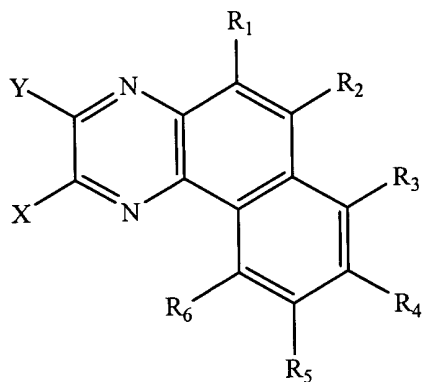
[formula 3]



(wherein X and Y represent alkyl group, a substituted or unsubstituted aryl group, or a substituted or unsubstituted heterocyclic group, and R1 to R6 represent individually hydrogen, an alkyl group, an alkoxyl group, a substituted or unsubstituted aryl group, and a substituted or unsubstituted heterocyclic group.)

10. (Original) An organic semiconductor device comprising a quinoxaline derivative represented by general [formula 4]:

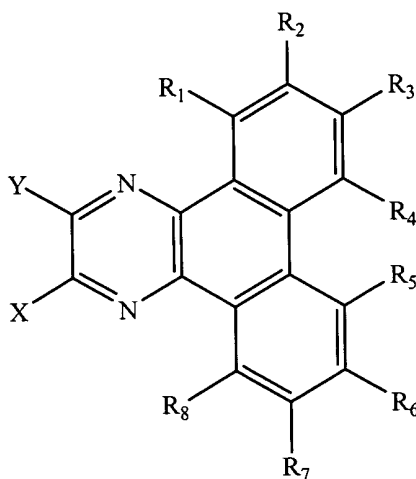
[formula 4]



(wherein X and Y represent alkyl group, a substituted or unsubstituted aryl group, or a substituted or unsubstituted heterocyclic group, and R1 to R6 represent individually hydrogen, an alkyl group, an alkoxyl group, a substituted or unsubstituted aryl group, and a substituted or unsubstituted heterocyclic group.)

11. (Original) An organic semiconductor device comprising a quinoxaline derivative represented by general [formula 5]:

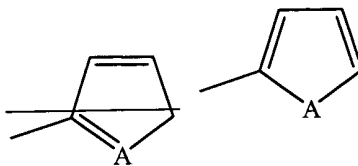
[formula 5]



(wherein X and Y represent alkyl group, a substituted or unsubstituted aryl group, or a substituted or unsubstituted heterocyclic group, and R1 to R8 represent individually hydrogen, an alkyl group, an alkoxy group, a substituted or unsubstituted aryl group, and a substituted or unsubstituted heterocyclic group.)

12. (Currently Amended) The organic semiconductor device comprising the quinoxaline derivative according to any one of Claims 7 to 11, wherein the quinoxaline derivative comprising heterocyclic group represented by general [formula 6]:

[formula 6]



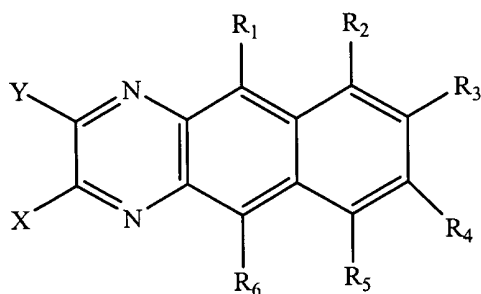
(wherein A represents S or O.)

13. (Original) An electroluminescent device according to any one of Claims 6 to 12, wherein the quinoxaline derivatives are used as an electron transporting material.

14. (Original) An electroluminescent device according to any one of Claims 6 to 12, wherein the quinoxaline derivatives are used as a hole blocking material.

15. (Original) An electroluminescent device comprising a light-emitting layer comprising a quinoxaline derivative represented by general [formula 1] and a guest material:

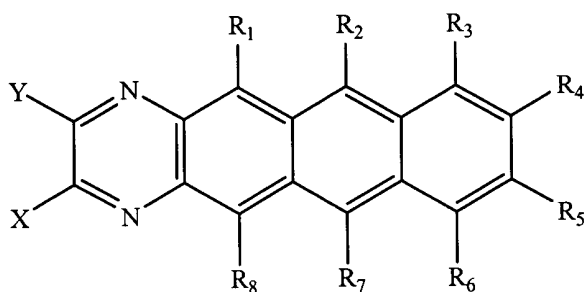
[formula 1]



(wherein X and Y represent alkyl group, a substituted or unsubstituted aryl group, or a substituted or unsubstituted heterocyclic group, and R1 to R6 represent individually hydrogen, an alkyl group, an alkoxy group, a substituted or unsubstituted aryl group, and a substituted or unsubstituted heterocyclic group.)

16. (Original) An electroluminescent device comprising a light-emitting layer comprising a quinoxaline derivative represented by general [formula 2] and a guest material:

[formula 2]

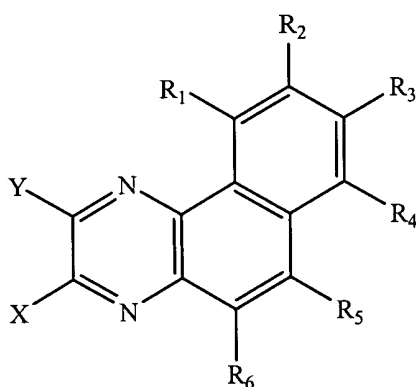


(wherein X and Y represent alkyl group, a substituted or unsubstituted aryl group, or a substituted or unsubstituted heterocyclic group, and R1 to R8 represent individually hydrogen, an alkyl group, an alkoxy group, a substituted or unsubstituted aryl group, and a substituted or unsubstituted heterocyclic group.)

alkyl group, an alkoxyl group, a substituted or unsubstituted aryl group, and a substituted or unsubstituted heterocyclic group.)

17. (Original) An electroluminescent device comprising a light-emitting layer comprising a quinoxaline derivative represented by general [formula 3] and a guest material:

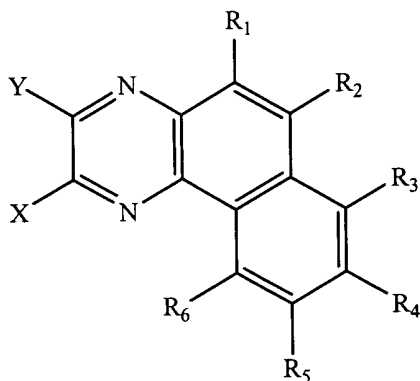
[formula 3]



(wherein X and Y represent alkyl group, a substituted or unsubstituted aryl group, or a substituted or unsubstituted heterocyclic group, and R1 to R6 represent individually hydrogen, an alkyl group, an alkoxyl group, a substituted or unsubstituted aryl group, and a substituted or unsubstituted heterocyclic group.)

18. (Original) An electroluminescent device comprising a light-emitting layer comprising a quinoxaline derivative represented by general [formula 4] and a guest material:

[formula 4]

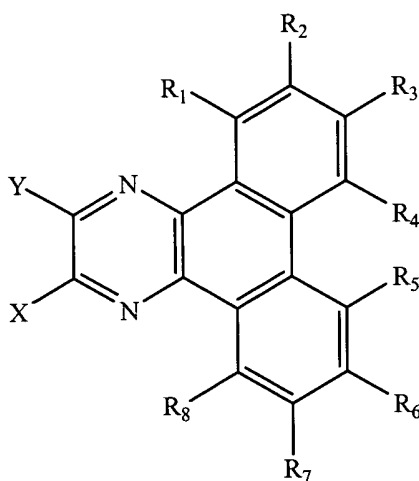




(wherein X and Y represent alkyl group, a substituted or unsubstituted aryl group, or a substituted or unsubstituted heterocyclic group, and R1 to R6 represent individually hydrogen, an alkyl group, an alkoxyl group, a substituted or unsubstituted aryl group, and a substituted or unsubstituted heterocyclic group.)

19. (Original) An electroluminescent device comprising a light-emitting layer comprising a quinoxaline derivative represented by general [formula 5] and a guest material:

[formula 5]



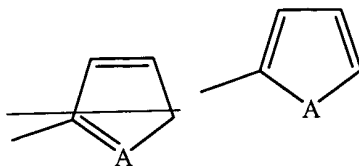
(wherein X and Y represent alkyl group, a substituted or unsubstituted aryl group, or a substituted or unsubstituted heterocyclic group, and R1 to R6 represent individually hydrogen, an alkyl group, an alkoxyl group, a substituted or unsubstituted aryl group, and a substituted or unsubstituted heterocyclic group.)

20. (Currently Amended) The electroluminescent device according to any one of Claims 19 to 23, the electroluminescent device comprising:

a light-emitting layer containing a guest material; and  
quinoxaline derivatives,

wherein the quinoxaline derivatives comprising heterocyclic group represented by general [formula 6]:

[formula 6]



(wherein A represents S or O.)

21. (Original) An electroluminescent device according to any one of Claims 15 to 20,  
the guest material is a phosphorescent material.